

Docket No. AUS920040061US1

## ABSTRACT OF THE DISCLOSURE

### METHOD AND APPARATUS FOR HARDWARE ASSISTANCE FOR DATA ACCESS COVERAGE

A method, apparatus, and computer instructions for generating coverage data for accesses to data during execution of code in the data processing system. During execution of the code, a determination is made as to whether an access to a memory location associated with a data access indicator has occurred in response to executing an instruction in the code at a processor in the data processing system. If the data access indicator is associated with the memory location, a state of the access indicator is changed by the processor. The coverage data is generated during execution of the code by the processor.